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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/753,326	12/29/2000	Pankaj Kedia	42390P10227	1211

7590 03/01/2005

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EXAMINER

CHEN, TSE W

ART UNIT	PAPER NUMBER
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2116

DATE MAILED: 03/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/753,326	<b>Applicant(s)</b> KEDIA ET AL.	
	<b>Examiner</b> Tse Chen	<b>Art Unit</b> 2116	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 November 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3,7,8,10,12,14-20,22,26 and 27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3,7,8,10,12,14-20,22,26 and 27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. It is hereby acknowledged that the following papers have been received and placed of record in the file: Amendment dated November 17, 2004.

2. Claims 1, 3, 7-8, 10, 12, 14-20, 22, 26-27 are presented for examination. Applicant has canceled claims 2, 4-6, 9, 11, 13, 21, 23-25, and 28.

#### ***Claim Objections***

3. Claims 14-15 are objected to because of the following informalities: the dependency of claims 14 and 15 is incorrect, as claim 13 has been canceled. Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 1, 10, and 20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contain(s) subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Applicant did not disclose the subject matter of "a wireless interface to wirelessly access data from the shared database". Therefore, said subject matter is considered new and is not eligible for prosecution in this application. However, in the interest of compact prosecution, references have been applied in the rejections detailed below.

#### ***Claim Rejections - 35 USC § 103***

Art Unit: 2116

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

*Re Claims 1, 3, 7, and 9-12*

7. Claims 1, 3, 10, 12, 14-15, 17-20, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barber et al., U.S. Patent 6240521, hereinafter Barber, in view of Ditzik, US Patent 5983073, and Kabelshkov, U.S. Patent 6108663.

8. In re claim 1 Barber discloses a method comprising:

- Transitioning a central processing unit (CPU) [high speed processor 42] of a computer system [40] into a low power mode [sleep] [col.4, ll.4-12], the system having a memory [RAM], a disk drive unit [DISK], and a shared database [shared memory system 50; col.3, ll.40-45].
- A low-power subsystem [low power processor 44] accessing, independently of the CPU, data contained within the shared database of the computing system [col.4, ll.13-22; 44 accesses 50 while 42 is in sleep mode inactive].

9. Barber did not discuss wirelessly accessing the database or disclose expressly the database storing at least a partial copy of data stored in the disk drive unit.

10. Ditzik discloses a method comprising:

- A low-power subsystem [handset 14] wirelessly accessing data contained within a shared database [inherently, some shared database in the broadest interpretation, akin to the main

Art Unit: 2116

memory 40, is needed to store data that is to be communicated between base and handset] of a computer system [fig.7] [col.8, ll.4-58].

11. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik and Barber before him at the time the invention was made, to modify the method taught by Barber to include wirelessly accessing the shared database as taught by Ditzik, in order to obtain the method comprising a low-power subsystem wirelessly accessing, independently of the CPU, data contained within the shared database of the computing system. One of ordinary skill in the art would have been motivated to make such a combination as it provides a very well known way to access data and extend the computer system's capabilities [Ditzik: col.2, l.33 -- col.3, l.22].

12. Kabelshkov discloses a system [10] having a memory [31], a disk drive unit [34], and a shared database [relational database], the database to store at least a partial copy of data stored in the disk drive unit [col.4, ll.54-61; database in disk is copied to memory 31].

13. It would have been obvious to one of ordinary skill in the art, having the teachings of Barber and Kabelshkov before him at the time the invention was made, to use the database as taught by Kabelshkov for the system disclosed by Barber as the database taught by Kabelshkov is well known to be suitable for use in the system of Barber. One of ordinary skill in the art would have been motivated to make such a combination as it provides an efficient way to access data [Kabelshkov: col.4, ll.50-56].

14. As to claim 3, Barber discloses the data contained in the shared database includes multimedia data [col.1, l.65 -- col.2, l.1; multimedia presentations operates with multimedia data which would still be in the shared memory system regardless of which processor is active].

Art Unit: 2116

15. In re claim 10, Barber discloses a computing system [40] comprising [col.3, ll.40-45]:

- A central processing unit (CPU) [high speed processor 42].
- A memory device [RAM].
- A disk drive unit [DISK].
- A shared database [shared memory system 50].
- A low-power subsystem [low power processor 44] having a second processing unit [low power processor 44] and an interface to access data [some interface in the broadest interpretation is needed to access data], independent of the CPU, from the database when the CPU enters a low power node [sleep] [col.4, ll.13-22; 44 accesses 50 while 42 is in sleep mode inactive].

16. Barber did not discuss wirelessly accessing the database, the interconnection of the devices, or disclose expressly the database storing at least a partial copy of data stored in the disk drive unit.

17. Ditzik discloses a computer system [fig.7] comprising:

- A low-power subsystem [handset 14] having a second processing unit [some processing unit in the broadest interpretation is needed to process communication voice/data] and a wireless interface [e.g., cdma interface] to wirelessly access data from a database [col.5, ll.52-59; col.8, ll.4-58].

18. It would have been obvious to one of ordinary skill in the art, having the teachings of Ditzik and Barber before him at the time the invention was made, to modify the method taught by Barber to include wirelessly accessing the shared database as taught by Ditzik, in order to obtain the computer system comprising a low-power subsystem having a second processing unit

Art Unit: 2116

and a wireless interface to wirelessly access data, independent of the CPU, from the database when the CPU enters a low power mode. One of ordinary skill in the art would have been motivated to make such a combination as it provides a very well known way to access data and extend the computer system's capabilities [Ditzik: col.2, l.33 -- col.3, l.22].

19. Kablesnikov discloses a computing system [10] comprising:

- A central processing unit [host processor 30].
- A memory device [31] coupled to the central processing unit [fig.2].
- A disk drive unit [34] coupled to the central processin unit [fig.2].
- A shared database [31] coupled to the disk drive unit [col.4, ll.52-56].
- A subsystem [coprocessor 40] having a second processing unit [database engine 44] and a database [31] coupled to the disk drive unit [34] [fig.2], the database to store at least a partial copy of data stored in the disk drive unit [col.4, ll.54-61].

20. It would have been obvious to one of ordinary skill in the art, having the teachings of Barber and Kabelshkov before him at the time the invention was made, to use the database and interconnections as taught by Kabelshkov for the system disclosed by Barber as the database and interconnections taught by Kabelshkov is well known to be suitable for use in the system of Barber. One of ordinary skill in the art would have been motivated to make such a combination as it provides an efficient way to access data [col.4, ll.50-56].

21. As to claim 12, Barber, Ditzik, and Kabelshkov disclose each and every limitation of the claim as discussed above in reference to claims 3 and 10.

22. As to claim 14, Ditzik discloses the wireless network interface that connects with a local area network [col.12, ll.58-64].

Art Unit: 2116

23. As to claim 15, Ditzik discloses the wireless network interface that connects with a wide area network [col.12, ll.58-64].

24. As to claim 17, Ditzik discloses the subsystem [handset 14] that comprises a wireless user interface [e.g., cdma] to receive verbal commands from a user [col.5, ll.52-59; col.8, ll.4-58; it is well known in the art to transmit verbal commands within a digital communication system].

25. As to claim 18, Ditzik discloses the subsystem [14] that comprises an audio headset [earset unit 34] to receive audio data transmitted from the wireless user interface [col.8, ll.35-42].

26. As to claim 19, Ditzik discloses the subsystem [14] that comprises an interface [e.g., cdma] to transmit data to a cellular phone [col.5, ll.52-59; 14 communicates with another cellular phone].

27. In re claims 20 and 22, Barber, Ditzik, and Kabelshkov disclose each and every limitation of the claims as discussed above in reference to claims 1 and 3. Barber, Ditzik, and Kabelshkov disclose the method; Barber, Ditzik, and Kabelshkov also disclose the machine readable storage medium tangibly embodying a sequence of instructions executable by the machine to perform the method as is well known in the art.

28. Claims 7-8, 16, and 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barber, Kabelshkov, and Ditzik as applied to claims 1 and 10 above, and further in view of Hollon, Jr., US Patent 5768164, hereinafter Hollon.

29. In re claims 7 and 16, Barber, Kabelshkov, and Ditzik disclose every limitation of the claim as discussed above in reference to claims 1 and 10. Barber, Kabelshkov, and Ditzik did not discuss a display of the low-power subsystem.



Art Unit: 2116

30. In re claim 7, Hollon discloses a method comprising presenting the data accessed to a user via a display [spontaneous use display 39] of a low-power subsystem [col.2, l.51 – col.3, l.5; some low-power subsystem in the broadest interpretation is needed to display the data in 39 while the main system is in inactive mode to conserve power].

31. In re claim 16, Hollon discloses a computing system [10] comprising a subsystem [some subsystem in the broadest interpretation is needed to display the data while the main system is in inactive mode to conserve power] that comprises a video display [spontaneous use display 39] to display data from a shared database [col.2, l.51 – col.3, l.5].

32. It would have been obvious to one of ordinary skill in the art, having the teachings of Hollon, Barber, Ditzik and Kabelshkov before him at the time the invention was made, to modify the system taught by Barber, Ditzik and Kabelshkov to include the display as taught by Hollon, in order to obtain the method and computer system comprising presenting the data accessed to a user via a display of the low-power subsystem. One of ordinary skill in the art would have been motivated to make such a combination as it provides a way to quickly access stored data [Hollon: col.2, ll.7-9].

33. As to claim 8, Ditzik discloses the data is presented via an audio medium [speakers 10 and 30; col.12, ll.43-44; col.6, ll.49-51].

34. In re claims 26 and 27, Hollon, Barber, Ditzik, and Kabelshkov disclose each and every limitation of the claims as discussed above in reference to claims 7 and 8. Hollon, Barber, Ditzik, and Kabelshkov disclose the method; Hollon, Barber, Ditzik, and Kabelshkov also disclose the machine readable storage medium tangibly embodying a sequence of instructions executable by the machine to perform the method as is well known in the art.

Art Unit: 2116

***Response to Arguments***

35. Applicant's arguments with respect to claims 1, 10, and 20 have been considered but are moot in view of the new ground(s) of rejection as necessitated by amendment.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tse Chen whose telephone number is (571) 272-3672. The examiner can normally be reached on Monday - Friday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne can be reached on (571) 272-3670. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tse Chen  
February 23, 2005

  
**LYNNE H. BROWNE**  
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